



LOUISIANAVIEW 2023 - 2024

AmericaViewSM
Empowering Earth Observation Education
americaview.org

LOUISIANAVIEW 2023 - 2024 ACTIVITIES

Disaster Workshop for Emergency Geospatial First Responders

As a high impact activity, this annual workshop promoting emergency response, held in early June each year, celebrated its 25th anniversary. Through the cooperation of the LouisianaView consortium members and co-sponsored with the local USGS liaison, this workshop was offered free to everyone interested in up-to-date information on data availability for the geospatial emergency responder. The 2024 workshop featured more than 24 speakers from their professional fields and more than 200 attendees (national/international) from 15 countries. Workshop presenters representing local, state, and federal agencies bring valuable resources and updates related to disaster response for both hurricane and wildfire events. Geospatial first responders are the silent heroes battling on the front lines for data acquisition, development, product deployment and analysis for each disaster event.



Disaster workshop brochure featuring speaker bios and presentations along with workshop resources and highlights. View here: <https://bit.ly/3AudPSI>

Enhancing Earth Observation Education Through Art

As a high impact activity promoting STEM or STEAM in our case, LouisianaView continues to further develop remote sensing data in the production of "Art Gallery Exhibit" quality images on canvas, puzzles, activities, workshops, etc. relating to study areas across the U.S. to enhance Earth Observation Awareness. These work in conjunction with the NASA/USGS/AmericaView educational outreach materials generated to promote Earth Observation. LouisianaView produced new Art Gallery Exhibit pieces of Earth as Art images, including Landsat, NAPP, NAIP and AEROKAT kite captured images. University, Community College, and K-12 students are encouraged, as in previous grant years, to identify areas of study following "Rivers – Our National Water Resource" game, moving along America's Rivers. Geospatial students are encouraged to identify, create story-maps, and ultimately an Earth as Art image to reel the observer in as they learn through examples of remotely sensed data. Digital online puzzles will also be created to peak the public's interest and made available on the LouisianaView and AmericaView websites.



LAView PI Yantis describing imagery to 8th-12th grade students participating in the Rising Water Workshop in Lafayette, LA.



LAView undergraduate student mentors playing the Rivers Games with workshop participants.



2024 Workshop Flyer



2024 Rising Water Summer Workshop Group Drone Photo



LAView students with the NASA AEROKAT kites.

LouisianaView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state. AmericaView is funded by USGS grant agreement G23AP00683.

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BENEFITS TO LOUISIANAVIEW

The disaster workshop brings together a community of talented individuals to help expand the Regional Applications Center/LouisianaView resources to aid in our response to these disasters quicker, more effective, more productive, and more connected as we move forward. An informed network of geospatial first responders spanning the region - across the states, the Gulf, the Caribbean, and all surrounding areas will always be our best defense.



Group of attendees at the 2024 Disaster Workshop in Lafayette, LA.

The benefit of utilizing the USGS “Earth as Art” program within LouisianaView outreach activities provides active and hands-on learning to engage students in Earth Observation. Students learn how to identify cultural and environmental features using Landsat and other imagery, exploring the artistic aspect of landscapes within the Earth as Art gallery and floor puzzle activities. Additionally, NASA's AEROKAT Kite program allows students to capture images themselves, deepening their understanding of remote sensing. The program produces both digital and physical outreach materials, including imagery, artwork, and puzzles, for use in summer and semester-long events. LouisianaView creates tutorials and test outreach materials that can be adapted by other states, providing support for state-specific educational programs. By promoting Earth as Art, the program brings remote sensing into K-12 STEAM education, fostering awareness and interest in Earth Observation across communities.



Undergraduate and graduate student participants in the SPLIT Geoscience Workshop in Pocatello, ID learning about features in imagery.



Children playing with the Earth as Art floor puzzles at the El Paso Science Festival.

LOUISIANAVIEW CONSORTIUM MEMBERSHIP



Federal consortium members identified above do not receive funding from AmericaView.

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